



## Features

- Low Smoke Zero Halogen Design
- RoHS compliant insulation
- Thermoset insulation for enhanced thermal stability
- Specially formulated insulation for exceptional long term water resistance
- Superior flame retardance
- Excellent mechanical properties
- Tin-coated copper conductors for improved terminations and corrosion resistance
- Reduced size and weight for increased raceway capacity
- Easy strippability
- Low friction surface for reduced pulling tension

## Performance Standards

- UL Listed as RHW-2 per UL 44
- LSZH insulation per ICEA S-73-532
- Passes IEEE 1202/FT4 vertical tray flame test and ICEA 70,000 BTU/hr vertical tray flame test (T-30-520)
- Passes vertical flame test Type A as defined in ICEA S-95-658 (6.8.2)
- UL listed as Type ST1 (limited smoke)
- UL approved 90°C for both wet and dry locations
- UL listed for sunlight resistance (black only)
- UL listed as gasoline and oil resistance
- Meets the requirements of NFPA 130 & 502
- Passes VW-1\*\*
- For tray installation, 1/0 AWG and larger (CT USE)
- Listed as USE-2 underground service entrance cable

## Construction

**Conductor:** Annealed, tin-coated copper, class "B" strand per ASTM B-8 & B-33. (Available as solid conductors when required)

**Insulation:** Flame retardant low Smoke Zero Halogen crosslinked polyolefin

**Separator tape:** Helically applied polyester (where required)

**Color:** Black (Available in pigmented colors or colored stripes)

\* Rated 90°C for normal operation in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.

\*\* 10AWG and larger

## Scope

Firewall® LSZH RHW-2 is a one conductor, unjacketed, power cable. Its tough thermoset construction allows for its use in demanding applications without additional jacketing protection. It is intended for low voltage power and lighting functions and may be installed in trays, ducts and conduits. RHW-2 walls meet UL requirements and provide enhanced mechanical toughness.

# Firewall® LSZH RHW-2 Power & Lighting Cable



Low Smoke Zero Halogen  
90°C\*, 600 Volt

NEC Type RHW-2, UL Listed  
NFPA 130 & 502  
Spec. RSS-6-009B

Product Code	Conductor Size	Number of Strands	Insulation Thickness		Nominal Overall Diameter		Approximate Net Weight (Lbs/M)
			(Inch)	(mm)	(Inch)	(mm)	
P47-6140	14 AWG	7	.045	1.14	.16	4.1	24
P47-6120	12 AWG	7	.045	1.14	.18	4.6	34
P47-6110	10 AWG	7	.045	1.14	.21	5.3	48
P47-6080	8 AWG	7	.060	1.52	.27	6.9	79
P47-6060	6 AWG	7	.060	1.52	.3	7.6	114
P47-6040	4 AWG	7	.060	1.52	.35	8.9	170
P47-6030	3 AWG	7	.060	1.52	.38	9.7	206
P47-6020	2 AWG	7	.060	1.52	.41	10.41	251
P47-6010	1 AWG	19	.080	2.03	.49	12.4	332
P47-6100	1/0 AWG	19	.080	2.03	.53	13.5	406
P47-6200	2/0 AWG	19	.080	2.03	.57	14.5	501
P47-6300	3/0 AWG	19	.080	2.03	.62	15.7	619
P47-6400	4/0 AWG	19	.080	2.03	.68	17.3	765
P47-6250	250 kcmil	37	.095	2.41	.76	19.3	918
P47-6350	350 kcmil	37	.095	2.41	.86	21.8	1254
P47-6500	500 kcmil	37	.095	2.41	.99	25.1	1751
P47-6600	600 kcmil	61	.110	2.79	1.11	28.19	2049
P47-6750	750 kcmil	61	.110	2.79	1.2	30.5	2613



Marmon Engineered Wire & Cable LLC  
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